

Title (en)

Method and system for incremental manifold learning

Title (de)

Verfahren und System für inkrementelles vielfältiges Lernen

Title (fr)

Procédé et système d'apprentissage de collecteur incrémentiel

Publication

EP 3048563 A1 20160727 (EN)

Application

EP 15305063 A 20150122

Priority

EP 15305063 A 20150122

Abstract (en)

A method for incremental manifold learning, comprising: incrementally obtaining a plurality of appearance samples; for each incrementally obtained appearance sample, determining an initial embedding in a manifold, said embedding being a lower-dimensional representation of said incrementally obtained appearance sample; for each last incrementally obtained appearance sample, selecting a proper subset from said incrementally obtained appearance samples, said proper subset comprising at least said last appearance sample and its predecessor appearance sample; computing for that proper subset a transport operator relation between said last appearance sample and its predecessor appearance sample and zero or more auxiliary transport operator relations between respective pairs of appearance samples of said proper subset; iteratively updating said manifold based on said computed transport operator relations.

IPC 8 full level

G06K 9/62 (2006.01)

CPC (source: EP US)

G06F 18/21355 (2023.01 - EP US)

Citation (search report)

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CN109342909A; CN111316330A; CN110717806A; US10679099B2; US11139048B2; US11062792B2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

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